NITFS
Compliance Registration

Product: National System for Geospatial Intelligence (NSGI) Image Quality Simulator (NIQS), Version 2.1.5

Sponsor: Lockheed Martin Corporation

Developer: Lockheed Martin Corporation

Date: 21 October 2005
Expiration: 20 October 2007
Registration #: 135

☐ Initial Registration
☑ Supplemental/Update #
☐ Derived from Reg. #

☑ **System** N-0105/98, §4.1.1

☐ **Product** N-0105/98, §4.1.2

☐ **Component** N-0105/98, §4.1.3

** NITF 2.0 feature
* NITF 2.1 feature

Complexity Level

NITF 2.1 CLEVEL

		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate	█	█	█	█	█	█	

Configurations Tested:
- Sun V440 Server 4 Processors, Solaris 9

Legend
- ● Fully implemented
- ◉ Partially implemented
- ○ Not implemented

NITFS Features Implemented:

Format
NITF
○ ○ v2.1
○ ● v2.0
○   v1.1
NSIF
○ ○ v1.0

Pixel Value Types
○ ○ Boolean
○ ◉ Integer
○ ○ Signed Integer *
○ ○ IEEE Real *
○ ○ IEEE Complex *

Annotation Segment Types
○ ○ Bit Mapped **
○ ○ CGM, 2301
○ ○ CGM, 2301A
○ ○ Labels **

Text Segments
○ ○ STA
○ ○ UT1
○ ○ U8S
○ ○ MTF

Image Segment Types
○ ◉ MONO
○ ○ RGB
○ ○ RGB/LUT
○ ○ YCbCr
○ ○ MULTI
○ ○ NODISPLY
○ ○ POLAR

Image Compression
○ ● Not Compressed
○ ○ JPEG Lossy, 8-bit
○ ● JPEG Lossy, 12-bit
○ ○ JPEG Downsample
○ ● JPEG Lossless
○ ○ JPEG 2000
○ ○ Bi-Level
○ ○ Vector Quantization
○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
○ ○ TRE_OVERFLOW
○ ○ STREAMING_FILE_HEADER
○ ○ Controlled Extensions **
○ ○ Registered Extensions **

Tagged Record Extensions
○ ● IOMAPA
○ ● NBLOCA
    NSDE

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.